



LAMINATION TOOLING

Serving the P.C. Industry Since 1977

TUF-LUBE® TL-2000 AEROSOL HIGH TEMPERATURE RELEASE AGENT

PRODUCT DESCRIPTION

TADCO's Dri-Lube® TL-2000 Release Agent is a fluorotelomer external release agent packaged in an aerosol container. The TL-2000 provides a dry lubricating, thin barrier coating to prevent epoxy resin from sticking to the lamination pins, bushings, plates, or press platens. TL-2000 is recommended for the printed circuit board lamination area where a silicone-based product is not acceptable and a higher temperature/pressure performance is needed.

TL-2000 is heat-stable for up to 500° F (260° C) and requires no cure time. The releasing properties of TL-2000 provide a quick, clean sliding effect which is excellent in the process of depinning the lamination books. This will help avoid depinner pin breakage and broken lamination pins and bushings.

TL2000 is non-ozone depleting and was formulated to contribute to a safer environment. TL-2000 does not contain chlorofluorocarbons (CFC's) or chlorinated solvents.

**TUF-LUBE® TL-2000 – SAFE TO HANDLE – NO SILICONE – NONFLAMMABLE
CONTAINS NO OZONE DEPLETING SUBSTANCES (O.D.S.)**

Application Recommendations

Use in a well-ventilated area and allow for full evaporation. Shake well before use. Align the spray head with black mark on valve rim to ensure complete evacuation of contents. Hold the can 8-10 inches from the surface and apply to clean surfaces in a circular motion. Spray a thin film application. Allow to dry for 3-5 minutes. The propellant system and solvent components will quickly evaporate leaving behind only the release film

Physical and Chemical Properties

Physical form	Liquid (in aerosol form)
Color	Clear
Odor	Slight ethereal
Bulk density	7.18 lbs/gal
Specific gravity	0.86 @ 70°F
Flash point test	Nonflammable (as determined by the aerosol flame protection equivalent to ASTM D 3065-77 and FHSA Section 1500.45)
Vapor pressure	60 PSIG @ 70°F (aerosol container pressure)
Vapor density	Less than 1.0 (air = 1)
% volatile by weight	90-99
Boiling point	-13°F (-25°C)
Melt point/Freeze point	n/a
PH	n/a
Solubility in water	Insoluble
Thermal and chemically stable	